

## Patents

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**Dialog eLink:** [Order File History](#)

15/3,K/1 (Item 1 from file: 347)

DIALOG(R)File 347: JAPIO

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05267837 \*\* Image available\*\*

**IMAGE RECORDER**

**Pub. No.:** 08-223337 [JP 8223337 A]

**Published:** August 30, 1996 (19960830)

**Inventor:** NAKAGAWA TOSHITAKA

KAMIMOTO YOSHIMI

OBAYASHI NOBUYUKI

YOSHIDA MINORU

TANAKA ISAO

OKAZAKI YOSHIHARU

**Applicant:** FUJI XEROX CO LTD [359761] (A Japanese Company or Corporation), JP (Japan)

**Application No.:** 07-023135 [JP 9523135]

**Filed:** February 10, 1995 (19950210)

**JAPIO Class:** ...Business Machines); 45.1 (INFORMATION PROCESSING --

**JAPIO Keyword:**

### ABSTRACT

**PURPOSE:** To **prevent** useless print processing after system **reset** by providing a means **inhibiting** an output of a remote diagnosis request at the output after the end of system....  
...is a page to be printed out is discriminated based on the attribute information. Thus, **only** an image information **page** to be printed out among pages included in a file received and left in the memory 28 before the system **reset** is **printed** out and the **command** page is released without printing out and useless print processing is prevented in the printer... Di01

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15/3,K/2 (Item 1 from file: 350)

DIALOG(R)File 350: Derwent WPIX

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0017760337 *Drawing available*

WPI Acc no: 2008-F80791/200837

XRAM Acc no: C2008-187264

XRPX Acc No: N2008-453528

**Manufacturing an optical device e.g. color filter and organic electroluminescent device, involves selectively discharging ink from nozzles corresponding to a surplus of a specified value, and printing the ink at discharge positions**

Patent Assignee: TOPPAN PRINTING CO LTD (TOPP)

Inventor: ANDO T; ANDOH T; KOTANI M; MOTOKI M; SUZUKI Y; UMEHARA M

Patent Family ( 2 patents, 2 countries )

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
US 20080024539	A1	20080131	US 2007788527	A	20070419	200837	B

JP 2008027836	A	20080207	JP 2006201695	A	20060725	200837	E
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Priority Applications (no., kind, date): JP 2006201695 A 20060725

Patent Details						
Patent Number	Kind	Lang	Pgs	Draw	Filing Notes	
US 20080024539	A1	EN	58	34		
JP 2008027836	A	JA	45			

**Alerting Abstract** ...nozzles and provides an effect of preventing the occurrence of color shedding. The substrate has **partition** walls that **prevent** color mixing of ink discharged to each region. Since the nozzles at surplus are arranged... Original Publication Data by AuthorityArgentina**Publication No.** ...**Original Abstracts:**the said repetition into b(However, integer with which b satisfy|fills  $0 \leq b \leq a-1$ ).The unit **process** which discharges the nozzle corresponding to Remainder b is repeated,Discharge nonuniformity is measured,A... .. said, 2nd direction,Comprising:These nozzles discharge ink for every nozzle,By repeating the unit **process** which discharges and **prints** ink from **one** part among these nozzles, it identify|isolates in the method to print the said pixel... .. the said repetition into b(However, integer with which b satisfy|fills  $0 \leq b \leq a-1$ )It is a **process** which the said unit process selectively discharges ink and prints on the said discharge position... ..**Claims:**for every nozzle,In the method to print the said pixel by repeating the unit **process** which discharges and **prints** ink from **one** part among these nozzles,Each of these nozzles is identify|isolated by the natural number... .. the said repetition into b(However, integer with which b satisfy|fills  $0 \leq b \leq a-1$ ),It is a **process** which the said unit **process** discharges ink and **prints** on the said discharge position from the nozzle except the nozzle arrange|positioned among several...

**Dialog eLink:** [Order File History](#)

15/3,K/3 (Item 2 from file: 350)

DIALOG(R)File 350: Derwent WPIX

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0017430019 *Drawing available*

WPI Acc no: 2008-C50456/200819

**X86 platform tax source monitoring system, has multiple selling terminals linked with printer, and selling terminal linked to administrating terminal with database server by market Ethernet exchange HUB**

Patent Assignee: BEIJING YAPULAN TECH DEV CO LTD (BEIJ-N)

Inventor: CHENG L; DU X; WANG G

Patent Family ( 1 patents, 1 countries )							
Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
CN 101051406	A	20071010	CN 200710099570	A	20070524	200819	B

Priority Applications (no., kind, date): CN 200710099570 A 20070524

Patent Details						
Patent Number	Kind	Lang	Pgs	Draw	Filing Notes	
CN 101051406	A	ZH	30	25		

Original Publication Data by AuthorityArgentina**Publication No.** ...**Claims:**is direct address

monitor, then execute 4): 3) obtaining the interruption which needs to be **intercepted** in the **initialization** data, storing the port address of the interruption, and then intercepting the port address of... is direct address monitor, then execute 4): 3) obtaining the interruption which needs to be **intercepted** in the **initialization** data, storing the port address of the interruption, and then intercepting the port address of... ..intercepting module inside; B. starting file opening module. said file opening module executes following steps: 1) activating **file opening module** when the file is opened by the monitoring program, and transfers the original transferring the **primary** interruption handling function by using the **printing data**; finishing the intercepting; then turning to step six; step five, collecting the printing data... ..step and the third step is replaced as follows: the second step registering the data **intercepting** module to the system service, **restarting** machine; the third step, collecting data by the hook function; A starting the loading module... ..B starting the file opening module, the file opening module executes the steps as follows: 1) when the monitored **file** opens the file, activating the file opening module, transferring the origin file opening function, and... ..file processing function; D starting the closing module, the closing module executes steps as follows: 1) when the monitored **file** opens the file, activating the closing module, the closing module firstly transfers the origin file...

#### Dialog eLink: [Order File History](#)

15/3,K/4 (Item 3 from file: 350)

DIALOG(R)File 350: Derwent WPIX

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0014813893 *Drawing available*

WPI Acc no: 2005-161582/200517

Related WPI Acc No: 2004-516863

XRFX Acc No: N2005-135637

**Image forming apparatus e.g. intermediate transfer type color printer changes latent image forming position on photosensitive drum, in accordance with printing conditions**

Patent Assignee: TOSHIBA KK (TOKE); TOSHIBA TEC KK (TOSH-N)

Inventor: SHIBATA K

Patent Family ( 2 patents, 1 countries )							
Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
US 20050031366	A1	20050210	US 2002279114	A	20021024	200517	B
			US 2004937287	A	20040910		
US 6937825	B2	20050830	US 2004937287	A	20040910	200557	E

Priority Applications (no., kind, date): US 2002279114 A 20021024; US 2004937287 A 20040910

Patent Details						
Patent Number	Kind	Lang	Pgs	Draw	Filing Notes	
US 20050031366	A1	EN	14	8	Continuation of application	US 2002279114

Original Publication Data by AuthorityArgentina**Publication No. ...Original Abstracts:**for example, setting for at least one of double-sided printing, offset paper discharge using a finisher, a post **process** related to stapling, use/nonuse of an electronic sorter, and image processing. **Claims:**What is claimed is:1. An image forming apparatus comprising:a conveyance **section** which conveys **sheets** of a printing medium;an image forming section including a photosensitive drum which forms a... .. drum in order to dynamically change an image forming position on the intermediate transfer medium **in accordance with printing**

conditions, thereby enabling the image to be transferred onto said each sheet of the printing...  
 ... higher than a process conveyance speed at which conveyance of said each printing medium  
 is **restarted** after the conveyance is temporarily **stopped** by the resist roller, and even when  
 said each **printing medium** is stopped at a position corresponding to the **resist** roller, a  
**subsequent process** conveyance takes place smoothly.

**Dialog eLink:** [Order File History](#)

15/3,K/5 (Item 4 from file: 350)

DIALOG(R)File 350: Derwent WPIX

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0014011674 *Drawing available*

WPI Acc no: 2004-193110/200419

XRPX Acc No: N2004-153227

**Parallel postage printing system for high-speed mass mail processing and inserting  
 system has controller that reduces speed of envelopes prior to printing on  
 envelopes, and increases speed after completion of printing**

Patent Assignee: PITNEY BOWES INC (PITB)

Inventor: SUSSMEIER J W

Patent Family ( 8 patents, 33 countries )							
Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
EP 1391849	A1	20040225	EP 200318693	A	20030822	200419	B
US 20040036893	A1	20040226	US 2002226744	A	20020822	200419	E
CA 2437689	A1	20040222	CA 2437689	A	20030820	200421	E
US 7099039	B2	20060829	US 2002226744	A	20020822	200657	E
EP 1391849	B1	20070131	EP 200318693	A	20030822	200712	E
DE 60311546	E	20070322	DE 60311546	A	20030822	200726	E
			EP 200318693	A	20030822		
DE 60311546	T2	20071025	DE 60311546	A	20030822	200772	E
			EP 200318693	A	20030822		
CA 2437689	C	20080513	CA 2437689	A	20030820	200835	E

Priority Applications (no., kind, date): US 2002226744 A 20020822; EP 200318693 A 20030822

Patent Details					
Patent Number	Kind	Lan	Pgs	Draw	Filing Notes
EP 1391849	A1	EN	20	6	
Regional Designated States, Original	AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LT LU LV MC MK NL PT RO SE SI SK TR				
CA 2437689	A1	EN			
EP 1391849	B1	EN			
Regional Designated States, Original	DE FR GB				
DE 60311546	E	DE			Application EP 200318693
					Based on OPI patent EP 1391849
DE 60311546	T2	DE			Application EP 200318693

					Based on OPI patent	EP 1391849
CA 2437689	C	EN				

**Alerting Abstract** ...the speed when printing is completed. A merging module (4) returns the envelopes to a **single processing** path. Original Publication Data by AuthorityArgentinaPublication No. ...**Original Abstracts:**the envelope is decelerated from a transport velocity to a slower printing velocity. After the **printing operation** has been completed, the envelope is accelerated back to the transport velocity and transferred to a downstream module, where the parallel print paths are merged back into a **single print** path. The **print** head is preferably geared to operate in synchronism with the print transport. Further, upon the... as if no error condition had occurred, Displacement motion of the print transport during a **stoppage** or **restarting** is therefore controlled as a predetermined function, or set of functions, of the displacement of... the envelope is decelerated from a transport velocity to a slower printing velocity. After the **printing operation** has been completed, the envelope is accelerated back to the transport velocity and transferred to a downstream module, where the parallel print paths are merged back into a **single print** path. The **print** head is preferably geared to operate in synchronism with the print transport. Further, upon the... as if no error condition had occurred, Displacement motion of the print transport during a **stoppage** or **restarting** is therefore controlled as a predetermined function, or set of functions, of the displacement of... the envelope is decelerated from a transport velocity to a slower printing velocity. After the **printing operation** has been completed, the envelope is accelerated back to the transport velocity and transferred to a downstream module, where the parallel print paths are merged back into a **single print** path. The **print** head is preferably geared to operate in synchronism with the print transport. Further, upon the... as if no error condition had occurred, Displacement motion of the print transport during a **stoppage** or **restarting** is therefore controlled as a predetermined function, or set of functions, of the displacement of... **Claims:**a predetermined motion profile, whereby the first print transport decelerates to a nominal print velocity **prior** to a **printing operation** in a first segment, maintains the nominal print velocity during printing in a second segment, and accelerates the... the predetermined motion profile, whereby the second print transport decelerates to the nominal print velocity **prior** to **printing operation** in the first segment, maintains the nominal print velocity during printing in the second segment, and accelerates the... having a first position for diverting documents at a first oblique angle to a first **print** module (1) and a second position for diverting documents at a second oblique angle to a second... and second print modules back into a single output transport path; **characterized by**the first **print** module (1) comprising a first **print** transport (31) and a first print head (318) positioned at a downstream end of the... predetermined motion profile, whereby the first print transport (31) decelerates to a nominal print velocity **prior** to a **printing operation** in a first segment, maintains the nominal print velocity during printing ... completion of printing; and a second printing module (2), parallel to the first printing module (1), comprising a second **print** transport (31) and a second print head (318) positioned at a downstream end of the... predetermined motion profile, whereby the second print transport (31) decelerates to the nominal print velocity **prior** to **printing operation** in the first segment, maintains the nominal print velocity during printing in the second segment, and accelerates the... a predetermined motion profile, whereby the first print transport decelerates to a nominal print velocity **prior** to a **printing operation** in a first segment, maintains the nominal print velocity during printing in a second segment, and accelerates the... the predetermined motion profile, whereby the second print transport decelerates to the nominal print velocity **prior** to **printing operation** in the first segment, maintains the nominal print velocity during printing in the second segment, and accelerates the... print module and to a second print module;printing an image on documents in the **print** modules;while **one** or more documents are within the print modules during nominal system conditions, controlling the velocity...

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15/3,K/6 (Item 5 from file: 350)

DIALOG(R)File 350: Derwent WPIX

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0010411297 *Drawing available*

WPI Acc no: 2001-009237/200102

XRPX Acc No: N2001-006933

**Information processing system for communicating with printer, in which optimum complementary print data is generated in accordance with delimiter information of transmission data, and transmitted to printer subsequent to transmitted data**

Patent Assignee: CANON KK (CANO)

Inventor: ONUMA N; ONUMA Y

Patent Family ( 4 patents, 27 countries )							
Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
EP 1035469	A2	20000913	EP 1999306041	A	19990729	200102	B
JP 2000259368	A	20000922	JP 199958714	A	19990305	200102	E
US 6570669	B1	20030527	US 1999362056	A	19990728	200337	E
JP 3733259	B2	20060111	JP 199958714	A	19990305	200608	E

Priority Applications (no., kind, date): JP 199958714 A 19990305

Patent Details						
Patent Number	Kind	Lan	Pgs	Draw	Filing Notes	
EP 1035469	A2	EN	14	6		
Regional Designated States,Original	AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI					
JP 2000259368	A	JA	9			
JP 3733259	B2	JA	12		Previously issued patent	JP 2000259368

**Alerting Abstract** ...In a system in which print data is parsed and transmission data generated. If a **print stop command** is detected, optimum complementary data is generated in accordance with delimiter information of the transmission.... ..When a data transmission controller (5) parses print data and generates transmission data, is a **print stop command** is detected, optimum complementary data is generated in accordance with delimiter information of the transmission.... ..**ADVANTAGE** - In circumstances in which a reset signal cannot be issued, a **print stop command** can be implemented from a host computer for print data during printing... Original Publication Data by AuthorityArgentina**Publication No. Original Abstracts:**Even under an environment where a reset signal cannot be issued, a **print stop** can be realized from a host computer for print data during the printing in a... ..a data transmission controller 5 parses the print data and generates transmission data, if a **print stop command** is detected, optimum **complementary** data is generated in accordance with delimiter information of the transmission data and the complementary.... ..Even under an environment where a reset signal cannot be issued, a **print stop** can be realized from a host computer for print data during the printing in a printer. When a data transmission controller (5) parses the print data and generates transmission data, if a **print stop command** is detected, optimum complementary data is generated in accordance with delimiter information of the transmission data and the complementary data is transmitted to a printer (8.... ..**Claims:**information of block data which is transmitted; andcomplementary data generating means for, when a **print stop command** is issued, finishing the block data to be transmitted on the basis of said delimiter information which is detected by said detecting

means and generating complementary data to normally finish a **printing process** of said **printer**..... What is claimed is: 1. An information **processing** apparatus for communicating with a printer and transmitting and controlling **print** data under a **print** environment **where** a hard reset signal cannot be issued through a predetermined communication medium for software that... is divided on a predetermined unit basis and transmitted to the printer, parsing the divided **print** data and **detecting** delimiter information of block data, which is to be transmitted; and complementary data generating means for, when a **print stop command** is issued based on the delimiter information detected by said detecting means, generating complementary data to finish the **block** data to be transmitted and to normally finish a **printing process** of the **printer**, wherein said complementary data generating means includes discriminating means for discriminating whether the block data has **been finished** normally or **not** based on the delimiter information detected by said detecting means, and, when it is determined

#### **Dialog eLink: Order File History**

15/3,K/7 (Item 6 from file: 350)

DIALOG(R)File 350: Derwent WPIX

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0007837419 *Drawing available*

WPI Acc no: 1996-466878/199647

Related WPI Acc No: 2004-216261; 2004-216262; 2004-229247; 2004-229248

XRFX Acc No: N1996-393224

**Job processing system, e.g. job scheduling system for print processing - has terminal equipment for issuing job request by handling number of documents as one job, and job scheduling device which sequentially processes jobs in queue order**

Patent Assignee: FUJII XEROX CO LTD (XERO)

Inventor: NAKAMURA H; NAKAMURA Y; NAKATANI T; NISHIYAMA K; SUZUKI A; YAMADA K

Patent Family ( 25 patents, 5 countries )

Patent Number	Kind	Date	Application Number	Kind	Date	Update	Type
EP 738957	A2	19961023	EP 1995116577	A	19951020	199647	B
JP 8286851	A	19961101	JP 199593818	A	19950419	199703	E
JP 8286852	A	19961101	JP 199593820	A	19950419	199703	E
JP 8286856	A	19961101	JP 1995117982	A	19950419	199703	E
JP 8286895	A	19961101	JP 199593819	A	19950419	199703	E
JP 8287027	A	19961101	JP 199592615	A	19950418	199703	E
JP 8292850	A	19961105	JP 199595449	A	19950420	199703	E
JP 8292855	A	19961105	JP 199595447	A	19950420	199703	E
JP 8292856	A	19961105	JP 199595448	A	19950420	199703	E
EP 738957	A3	19970423	EP 1995116577	A	19951020	199729	E
JP 2000351258	A	20001219	JP 199595449	A	19950420	200104	E
			JP 2000108080	A	19950420		
US 6213652	B1	20010410	US 1995544076	A	19951017	200122	E
JP 3204034	B2	20010904	JP 199595449	A	19950420	200152	E
JP 3289547	B2	20020610	JP 1995117982	A	19950419	200241	E
JP 3344150	B2	20021111	JP 199593820	A	19950419	200280	E
US 6606163	B1	20030812	US 1995544076	A	19951017	200355	E
			US 1999364120	A	19990730		

EP 738957	B1	20040107	EP 1995116577	A	19951020	200405	E
			EP 200318383	A	19951020		
			EP 200318384	A	19951020		
			EP 200318385	A	19951020		
			EP 200318386	A	19951020		
JP 3480113	B2	20031215	JP 199595447	A	19950420	200405	E
US 20040008363	A1	20040115	US 1995544076	A	19951017	200406	E
			US 1999364120	A	19990730		
			US 2003373036	A	20030226		
DE 69532407	E	20040212	DE 69532407	A	19951020	200419	E
			EP 1995116577	A	19951020		
JP 3508285	B2	20040322	JP 199592615	A	19950418	200421	E
JP 3661220	B2	20050615	JP 199593819	A	19950419	200544	E
US 7148991	B2	20061212	US 1995544076	A	19951017	200701	E
			US 1999364120	A	19990730		
			US 2003373036	A	20030226		
US 20070044101	A1	20070222	US 1995544076	A	19951017	200717	E
			US 1999364120	A	19990730		
			US 2003373036	A	20030226		
			US 2006588209	A	20061027		
US 20090180142	A1	20090716	US 1995544076	A	19951017	200947	E
			US 1999364070	A	19990730		
			US 2009382051	A	20090306		

Priority Applications (no., kind, date): JP 199592615 A 19950418; JP 199593818 A 19950419; JP 199593819 A 19950419; JP 199593820 A 19950419; JP 1995117982 A 19950419; JP 199595447 A 19950420; JP 199595448 A 19950420; JP 199595449 A 19950420; JP 2000108080 A 19950420

#### Patent Details

Patent Number	Kind	Lang	Pgs	Draw	Filing Notes
EP 738957	A2	EN	95	51	
Regional Designated States, Original	DE FR GB				
JP 8286851	A	JA	22		
JP 8286852	A	JA	14		
JP 8286856	A	JA	11		
JP 8286895	A	JA	13	8	
JP 8287027	A	JA	11	3	
JP 8292850	A	JA	11	9	
JP 8292855	A	JA	13		
JP 8292856	A	JA	12	4	



EP 738957	A3	EN				
JP 2000351258	A	JA	13		Division of application	JP 199595449
JP 3204034	B2	JA	16		Previously issued patent	JP 08292850
JP 3289547	B2	JA	11		Previously issued patent	JP 08286856
JP 3344150	B2	JA	15		Previously issued patent	JP 08286852
US 6606163	B1	EN			Division of application	US 1995544076
EP 738957	B1	EN			Related to application	EP 200318383
					Related to application	EP 200318384
					Related to application	EP 200318385
					Related to application	EP 200318386
Regional Designated States, Original	DE FR GB					
JP 3480113	B2	JA	14		Previously issued patent	JP 08292855
US 20040008363	A1	EN			Division of application	US 1995544076
					Continuation of application	US 1999364120
					Division of patent	US 6213652
					Continuation of patent	US 6606163
DE 69532407	E	DE			Application	EP 1995116577
					Based on OPI patent	EP 738957
JP 3508285	B2	JA	13		Previously issued patent	JP 08287027
JP 3661220	B2	JA	16		Previously issued patent	JP 08286895
US 7148991	B2	EN			Division of application	US 1995544076
					Continuation of application	US 1999364120
					Division of patent	US 6213652
					Continuation of patent	US 6606163
US 20070044101	A1	EN			Division of application	US 1995544076
					C-1-P of application	US 1999364120
					Division of application	US 2003373036
					Division of patent	US 6213652
					C-1-P of patent	US 6606163
					Division of patent	US 7148991
US 20090180142	A1	EN			Division of application	US 1995544076
					Division of application	US 1999364070
					Division of patent	US 6213652

**Job processing system, e.g. job scheduling system for print processing...** ...Original  
**Titles:** Job scheduling system for print processing... ...Job scheduling system for print  
processing... ...Job scheduling system for print processing... ...Job scheduling system for  
print processing... ...Job scheduling system for print processing... ...Job scheduling system  
for print processing... ...Job scheduling system for print processing... ...Job scheduling  
system for print processing Original Publication Data by Authority Argentina Publication No.  
**Original Abstracts:** A user equipment issues a job for a plurality of documents to a printing  
system by one operation. The user equipment assigns attributes to the job, the attributes



**Print control apparatus and printing system**  
 Drucksteuergerät und Drucksystem  
 Appareil de controle de l'impression et systeme d'impression

**Patent Assignee:**

- **Seiko Epson Corporation;** (730004)  
 4-1, Nishi-shinjuku 2-chome; Shinjuku-kuTokyo 163-0811; (JP)  
 (Proprietor designated states: all)

**Inventor:**

- **Hyogo, Masaki**  
 c/o Seiko Epson Corporation3-5, Owa 3-chome; Suwa-shiNagano-ken 392-8502; (JP)
- **Ito, Eiji**  
 c/o Seiko Epson Corporation3-5, Owa 3-chome; Suwa-shiNagano-ken 392-8502; (JP)
- **Kodama, Tomohiro**  
 c/o Seiko Epson Corporation3-5, Owa 3-chome; Suwa-shiNagano-ken 392-8502; (JP)

**Legal Representative:**

- **Hoffmann, Eckart (5571)**  
 Patentanwalt, Bahnhofstrasse 103; 82166 Grafelfing; (DE)

	Country	Number	Kind	Date	
Patent	EP	1720103	A2	20061108	(Basic)
	EP	1720103	A3	20070321	
	EP	1720103	B1	20080806	
Application	EP	2006007828		20060413	
Priorities	JP	2005128446		20050426	

**Extended Designated States:**

AL; BA; HR; MK; YU;

International Classification (Version 8) IPC	Level	Value	Position	Status	Version	Action	Source	Office
G06F-0013/28	A	I	F	B	20060101	20060929	H	EP
G06F-0003/12	A	I	L	B	20060101	20060929	H	EP

**Abstract EP 1720103 A3**

To reliably cancel a DMA transfer mode and accelerate printer initialization, a host device (3) for controlling a printer having a DMA transfer mode for printing by transferring image data

associated with a received image print command to a print buffer (15) has a print data generating unit (33) for generating the image print command, memory (35) for storing the data size of the image data associated with the image print command generated by the print data generating unit (33), and a printer control unit (34) for sending to the printer (1) an initialization command having null-data of the data size stored in memory (35) added to the beginning of the initialization command.

**Abstract Word Count: 114**

**NOTE: 1**

**NOTE: Figure number on first page: 1**

Legal Status Type	Pub. Date	Kind	Text
Application:	20061108	A2	Published application without search report
Search Report:	20070321	A3	Separate publication of the search report
Change:	20071010	A2	Title of invention (German) changed: 20071010
Change:	20071010	A2	Title of invention (English) changed: 20071010
Change:	20071010	A2	Title of invention (French) changed: 20071010
Change:	20071128	A2	Title of invention (German) changed: 20071128
Change:	20071128	A2	Title of invention (English) changed: 20071128
Change:	20071128	A2	Title of invention (French) changed: 20071128
Change:	20080312	A2	Title of invention (German) changed: 20080312
Change:	20080312	A2	Title of invention (English) changed: 20080312
Change:	20080312	A2	Title of invention (French) changed: 20080312
Grant:	20080806	B1	Granted patent
Change:	20090715	B1	Title of invention (German) changed: 20090715
Change:	20090715	B1	Title of invention (English) changed: 20090715
Change:	20090715	B1	Title of invention (French) changed: 20090715

**Language Publication:** English

**Procedural:** English

**Application:** English

Fulltext Availability	Available Text	Language	Update	Word Count
CLAIMS A		(English)	200645	440
SPEC A		(English)	200645	2703
CLAIMS B		(English)	200832	434
CLAIMS B		(German)	200832	357
CLAIMS B		(French)	200832	483
SPEC B		(English)	200832	2920
Total Word Count (Document A) 3144				
Total Word Count (Document B) 4194				
Total Word Count (All Documents) 7338				

**Specification:** ...memory 35 (S12), appends a response-request command 60 to the end of the image print command 50, and sends the image print command 50 with the response-request command 60... printer 1 (S13).

When the printer 1 receives the image print command 50, the printer 1 processes the image print command in the DMA transfer mode and prints the image data (S14). When processing

the... ..host device 3 receives a response from the printer 1, the printer control unit 34 **initializes** the memory 35 and **deletes** the data size value stored in the memory 35 (S16).

FIG. 5 is a flow chart of a **process** for **printer initialization**. This **printer initialization process** is described below.

The printer control unit 34 **first** generates an **initialization command** 80 (S21). The **printer** control unit 34 then reads memory 35 to determine if memory 35 is in the...

**Specification:** ...memory 35 (S12), appends a response-request command 60 to the end of the image **print** command 50, and sends the image print command 50 with the response-request command 60... ..printer 1 (S13).

When the printer 1 receives the image print command 50, the printer 1 **processes** the image **print** command in the DMA transfer mode and prints the image data (S14). When processing the... ..host device 3 receives a response from the printer 1, the printer control unit 34 **initializes** the memory 35 and **deletes** the data size value stored in the memory 35 (S16).

FIG. 5 is a flow chart of a **process** for **printer initialization**. This **printer initialization process** is described below.

The printer control unit 34 **first** generates an **initialization command** 80 (S21). The **printer** control unit 34 then reads memory 35 to determine if memory 35 is in the...

#### **Dialog eLink:** [Order File History](#)

23/5K/2 (Item 2 from file: 348)

DIALOG(R)File 348: EUROPEAN PATENTS

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02032557

#### **Ink jet printer, method for controlling an ink jet printer, and computer program product for an ink jet printer**

Tintenstrahldrucker, Steuerungverfahren und Computerprogrammprodukt dafür

Imprimante à jet d'encre, méthode et logiciel de commande pour celle-ci

#### **Patent Assignee:**

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	Country	Number	Kind	Date	
Patent	EP	1632356	A1	20060308	(Basic)
	EP	1632356	A3	20060719	
Application	EP	2005254026		20050628	
Priorities	JP	2004189510		20040628	

**Designated States:**

AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES;  
FI; FR; GB; GR; HU; IE; IS; IT; LI; LT;  
LU; MC; NL; PL; PT; RO; SE; SI; SK; TR;

**Extended Designated States:**

AL; BA; HR; LV; MK; YU;

International Classification (Version 8) IPC	Level	Value	Position	Status	Version	Action	Source	Office
B41J-0019/00	A	I	F	B	20060101	20060116	H	EP

**Abstract EP 1632356 A1**

An ink jet printer (101) is provided with an ink jet head (1a, 1b, 1c, 1d) that executes a printing action in which ink is discharged toward a print medium, a transportation device (103) that transports the print medium, and a controller (60) that controls the ink jet head (1a, 1b, 1c, 1d) to execute the printing action. The controller (60) controls the ink jet head (1a, 1b, 1c, 1d) to execute the printing action when the ink jet printer (101) has finished receiving a predetermined amount of print data. In a case where a time since a last printing action has exceeded a predetermined time, the controller (60) prevents the ink jet head (1a, 1b, 1c, 1d) from executing the printing action against a partially printed print medium, and controls the transportation device (103) to eject the print medium.

**Abstract Word Count: 141**

NOTE: 1

NOTE: Figure number on first page: 1

Legal Status Type	Pub. Date	Kind	Text
Application:	20060308	A1	Published application with search report
Change:	20060503	A2	Title of invention (German) changed: 20060503
Change:	20060503	A2	Title of invention (English) changed: 20060503
Change:	20060503	A2	Title of invention (French) changed: 20060503
Change:	20060517	A2	Title of invention (English) changed: 20060517
Change:	20060517	A2	Title of invention (French) changed: 20060517
Search Report:	20060719	A3	Separate publication of the search report

Legal Status Type	Pub. Date	Kind	Text
Change:	20061018	A2	Title of invention (German) changed: 20061018
Change:	20061018	A2	Title of invention (English) changed: 20061018
Change:	20061018	A2	Title of invention (French) changed: 20061018
Change:	20070328	A2	Title of invention (German) changed: 20070328
Change:	20070328	A2	Title of invention (English) changed: 20070328
Change:	20070328	A2	Title of invention (French) changed: 20070328
Change:	20071205	A2	Title of invention (German) changed: 20071205
Change:	20071205	A2	Title of invention (English) changed: 20071205
Change:	20071205	A2	Title of invention (French) changed: 20071205

Language Publication: English

Procedural: English

Application: English

FullText Availability Available Text	Language	Update	Word Count
CLAIMS A	(English)	200610	1641
SPEC A	(English)	200610	13034
Total Word Count (Document A) 14677			
Total Word Count (Document B) 0			
Total Word Count (All Documents) 14677			

**Specification:** ...This ink jet printer 101 does not begin printing only after having received all the **print** data included in **one print** data file (this corresponding to fifty lines of printing in the present representative embodiment). Instead, the ink... ..longer time would be required for printing in this case. However, two rounds of the **printing action** P1 have been performed in FIG. 8 before all the print data D1 to D5... ..time required for printing can be made shorter than in the case where printing begins **only** after all the **print** data D1 to D5 has been received.

In the present representative embodiment, the **printing action** is not restarted of a partially printed printing paper in the case where a predetermined... ..the predetermined time period (T). Printing that has variations in printing quality can thus be **prevented**.

When printing will not be **restarted**, the positioning determination section 62 determines the position of the printing paper based on the...

**Dialog eLink:** [Order File History](#)

23/5K/3 (Item 3 from file: 348)

DIALOG(R)File 348: EUROPEAN PATENTS

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00468879

**Paper supply tray status in electronic printers**

Zustandskontrolle von Papierzufuhrkassetten in elektronischen Druckern

Contrôle de l'état des cassettes d'alimentation en papier dans les imprimantes électroniques

**Patent Assignee:**

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	Country	Number	Kind	Date	
Patent	EP	477609	A2	19920401	(Basic)
	EP	477609	A3	19921202	
	EP	477609	B1	19960417	
Application	EP	91114876		19910903	
Priorities	US	590101		19900928	

**Designated States:**

DE; FR; GB;

**International Patent Class (V7):** G03G-015/00; ;



**CITED PATENTS: (EP A)**

US 4734747 A; US 4734747 A; EP 331329 A; US 3753560 A;

**Abstract EP 477609 A2**

A high speed electronic printing system in which the number of paper trays for supplying print media is substantially less than the number of different print media selections that can be programmed for each print job, with a system for identifying missing print media while printing together with an available paper tray into which the print media can be loaded to allow uninterrupted processing of print jobs. (see image in original document)

**Abstract Word Count: 74**

Legal Status Type	Pub. Date	Kind	Text
Application:	19920401	A2	Published application (A1with;A2without)
Search Report:	19921202	A3	Separate publication of the European or International search report
Examination:	19930728	A2	Date of filing of request for examination: 930601
Grant:	19960417	B1	Granted patent
Oppn None:	19970416	B1	No opposition filed

**Language** Publication: English

Procedural: English

Application: English

Fulltext Availability Available Text	Language	Update	Word Count
CLAIMS A	(English)		2038
SPEC A	(English)		4577
CLAIMS B	(English)	EPAB96	1318
CLAIMS B	(German)	EPAB96	1286
CLAIMS B	(French)	EPAB96	1434
SPEC B	(English)	EPAB96	4753
Total Word Count (Document A) 6615			
Total Word Count (Document B) 8791			
Total Word Count (All Documents) 15406			

**Claims:** ...identifying means and the monitoring means to identify the next print media type required to print the one job that is not loaded into at least one of the trays, and... first of said paper trays containing print media type not currently required for printing the job for reloading with the next print media type whereby to enable printing of the job to continue without stopping to reload the next print media type, wherein the control means... the next print media type in the first paper tray to enable processing of the print job to continue whereby to avoid interrupting the printing process in response to a failure to supply the N + 1 print media type.

4. **Process** for operating an electronic printing system having a printer for processing at least one print job to make prints in accordance with at least one job program, the printer having an information display screen and N paper trays for supplying print media for printing the job with the number of different print media types in the job program, the process comprising...

**Dialog eLink:** [Order File History](#)

23/5K/4 (Item 1 from file: 349)

DIALOG(R) File 349: PCT FULLTEXT

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01313061

**METHOD FOR AT LEAST PARTIALLY COMPENSATING FOR ERRORS IN INK DOT  
PLACEMENT DUE TO ERRONEOUS ROTATIONAL DISPLACEMENT**  
**PROCEDE POUR LA COMPENSATION AU MOINS PARTIELLE D'ERREURS DANS LE PLACEMENT  
POINTS D'ENCRE DUES A UN DEPLACEMENT ROTATIONNEL ERRONE**

**Patent Applicant/ Patent Assignee:**

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AU(Nationality); (For all designated states except: US)

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	Country	Number	Kind	Date
Patent	WO	2005120835	A1	20051222
Application	WO	2004AU706		20040527
Priorities	WO	2004AU706		20040527

**Designated States:** (All protection types applied unless otherwise stated - for applications 2004+)

AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG;  
BR; BW; BY; BZ; CA; CH; CN; CO; CR; CU;  
CZ; DE; DK; DM; DZ; EC; EE; EG; ES; FI;  
GB; GD; GE; GH; GM; HR; HU; ID; IL; IN;  
IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR;  
LS; LT; LU; LV; MA; MD; MG; MK; MN; MW;  
MX; MZ; NA; NI; NO; NZ; OM; PG; PH; PL;  
PT; RO; RU; SC; SD; SE; SG; SK; SL; SY;  
TJ; TM; TN; TR; TT; TZ; UA; UG; US; UZ;  
VC; VN; YU; ZA; ZM; ZW;

**[EP]** AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES;  
FI; FR; GB; GR; HU; IE; IT; LU; MC; NL;  
PL; PT; RO; SE; SI; SK; TR;

**[OA]** BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW;  
ML; MR; NE; SN; TD; TG;

**[AP]** BW; GH; GM; KE; LS; MW; MZ; NA; SD; SL;  
SZ; TZ; UG; ZM; ZW;

**[EA]** AM; AZ; BY; KG; KZ; MD; RU; TJ; TM;

**Main International Patent Classes (Version 7):**

IPC	Level
B41J-002/07	Main

**Language** Publication Language: English

Filing Language: English

Fulltext word count: 618378

**English Abstract:**

A method of at least partially compensating for errors in ink dot placement by at least one of a plurality of nozzles due to erroneous rotational displacement of a printhead module relative to a carrier, the nozzles being disposed on the printhead module, the method comprising the steps of: (a) determining the rotational displacement; (b) determining at least one correction factor that at least partially compensates for the ink dot displacement; and (c) using the correction factor to alter the output of the ink dots to at least partially compensate for the rotational displacement.

**French Abstract:**

La presente invention a trait a un procede pour la compensation au moins partielle dans le placement de points d'encre par au moins une pluralite de buses dues a un deplacement rotationnel errone d'un module de tete d'impression par rapport a un chariot, les buses etant disposees sur le module de tete d'impression, le procede comprenant les etapes suivantes: (a) la determination du deplacement rotationnel; (b) la determination d'au moins un facteur de correction qui assure la compensation au moins partielle du deplacement des points d'encre; et (c) l'utilisation du facteur de correction pour la modification de la sortie de points d'encre en vue de la compensation au moins partielle du deplacement rotationnel.

**Legal Status**

Type	Pub. Date	Kind	Text
Publication	20051222	A1	With international search report.

## Claims:

...multi-SoPEC system, the primary communication channel is from a USB2.0 Host port on **one** SoPEC (the ISCMaster), to the US132.0 Device port of each of the other SoPECs...level data structure of a number of pages with different numbers of bands in the **page**. Each compressed band contains a mandatory band header, an optional bi-level plane, optional sets...the band. Figure 1 1 gives a high-level breakdown of the contents of a **page** band. A **single** SoPEC has maximum rendering restrictions as follows:0 1 bi-level plane0 1 contone interleaved plane set containing a maximum of 4 contone planes0 1 tag data planea linking printhead with a maximum of 12 printhead ICsThe requirement...according to whichever band-related register updating mechanism is being used.10 5 Start printing1 ) Wait until at least one band of the first **page** has been downloaded. 2) Start... ..HCU4 PH15 LLU6 CFU,SFU,TFU7 CDI,J8 TE,LD3) **Print** ready interrupt occurs (from PHI). 4) Start motor control, if first **page**, otherwise feed the next page. This step could occur before the **print** ready interrupt. 5) Drive LEDs, monitor paper status. 6) Wait for **page** alignment via **page** sensor(s) GPIO interrupt. 7) CPU instructs PHI to start producing line syncs and hence ...occurredperi-access-en = 0 abort the accessdram-access-en = 0mmucpuberr 1mmu cpu rdy 011.7 LEON CACHESThe version of LEON implemented on SoPEC...The data cache controller has also been modified to ensure that user mode code can **only** access Dcache contents that represent valid user-mode regions of DRAM as specified by the... ..that the prohibited write is committed to a write buffer in the DCache controller and **program execution** continues until the prohibited write is detected by the N4N4U which may be several cycles ... ..8 User read permission.0 - User mode reads will force a refill of this line1 - User mode code can read from this cache line. UWP 9 User write permission.0... ..wrappersThe cache data RAM contains the actual cached data and nothing else. Both the **instruction** and data cache data RAMs are implemented using 8 3202-bit register arrays and some... ..Internally the 8-bit address bus is split into a 5-bit lineaddress, which selects **one** of the 32 256-bit cache lines, and a 3-bit word address which selects... ..on the 1sscpLtdata bus is validd debug data. icu-cpu-debug-vali 1 In Signal indicating the data on the icLcOpLLdata bus is valid d debug data.gpio... ..ver-select[P- P Out Transceiver select, per port. 1:0] 0: HS transceiver selected. 1: LS transceiver selected. uhu-phy-term-select[P- P x Out Termination select, per port... ..for FS serial modesuhu-phy-opmode[P- P x Out Operational mode, per port. 1 :0][1:0] 2 Selects the operational mode of the PHY.00: Normal operation01... ..driving10: Disable bit-stuffing and NFIZI encoding1 1: Reserveduhu-phy-suspendm[P-1:0] P Out Suspend mode for PHY port logic, per port. Active low. Places the... ..single-ended receiver output, per port. phy-uhu-vm[P-1:0] P In D- **single**-ended receiver output, per port.uhuphyfsxve@own[P- P Out Transceiver ownership... ..UTIVIIInterface, i.e. uhu-phy &Ldata[P-1:0],uhk-phy fsLse0[P-1:0], uhu-phy fsLoef[P-1:0] areinactive.1: Serial interface. The data on D+/D- istransmitted/received under... ..section 12 3 4 onpage 147 for details of arbitration.[4] EhciEn0: disabled1: enabled3:1] Reserved[01 OhciEn0: disabled1: enabledOx02O DmaEn 2 OxO DIVIA read/write channel... ..EhCI/OHCI hostcontroller registers can not be selected fordebug observation. Ox028 UserModeEn 1 OxO User mode enable register.Enables CPU user mode access to UHUregister map. 0... ..a separate signal defined for each bit of the bus, its width equal to [P-1:0]. The resulting bus for each port is made up of l bit from each... ..bus-i from each port on the PHY to the core. would appear as 2 **separate** signals examplebu@J[P-1:0] andexamplebusj[P-1:0]. The bus from PHY port #0 would consist of examplebu.@ 1][0 andexamplebus@QJ01, the bus from PRY port # 1 would consist of examp1ebus i[1] and1 5 examplebu@Ojffl, the bus from PHY port #2 would consist of...the USB host, as indicated by a status write. The DMA descriptors are started and **stopped** in the same manner as for streaming mode, as detailed above.13 4.3 Double... ..used. DmaOutnMax.4drA1B marks the last writable address of the buffer. DmaOutStrmPtr points to the **next** address to write to and is incremented after each memory access. If DMA descriptor A...Device RequestsClass/vendor commands IN/OUT Passed to the application via the Endpoint 01 OUT bufferWhen a command is taken care of by UDC20, there is no indication... ..0Table 58 below lists the top level pinout

of the UDC20Table 58. UDC20 1/0Clocks and Resetsapp-clk 1 In Application clock. Must be >= 48MHz to operate at highspeed. Connected to pclk, 192MHz ...txready 1 In An acknowledgement from the PHY of data transfer fromUDU. udc2O-txvalid 1 Out Indicates to the PHY that data datajd[7.0] is valid for transfer. udc2O...IntEp00utShortWrA1B, IntEp00utAdrA1B. Figure 41 below shows the normal operation of the Status stage.13.5A 1.2 Control OUT TransfersA Control-Out transfer begins when 8 bytes of Setup data...the same for Control-Out transactions as for Control-In, described in Section 13 9 1 above. I 0 During the Data stage, writes are initiated on the VCI master port...If the packet was not received successfully, any remaining data in the packet buffer is **discarded**. DmaOutStrnPir is returned to DmaOutnCurAdrA1B. Figure 45 below illustrates a normal bulk OUT transfer operating...

**Dialog eLink:** Order File History

23/5K/5 (Item 2 from file: 349)

DIALOG(R)File 349: PCT FULLTEXT

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01129704

**DEAD NOZZLE COMPENSATION**

COMPENSATION D'UNE BUSE HORS ETAT DE FONCTIONNEMENT

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	Country	Number	Kind	Date
Patent	WO	200450369	A1	20040617
Application	WO	2003AU1616		20031202
Priorities	AU	2002953134		20021202
	AU	2002953135		20021202

**Designated States:** (Protection type is "Patent" unless otherwise stated - for applications prior to 2004)

AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

[EP] AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES; FI; FR; GB; GR; HU; IE; IT; LU; MC; NL; PT; RO; SE; SI; SK; TR;

[OA] BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW; ML; MR; NE; SN; TD; TG;

[AP] BW; GH; GM; KE; LS; MW; MZ; SD; SL; SZ; TZ; UG; ZM; ZW;

[EA] AM; AZ; BY; KG; KZ; MD; RU; TJ; TM;

**Main International Patent Classes (Version 7) :**

IPC	Level
B41J-002/01	Main

**Language** Publication Language: English

Filing Language: English

Fulltext word count: 387411

**English Abstract:**

A printer controller for supplying dot data to a printhead in a predetermined order, the printhead comprising at least first and second printhead modules, each of which comprises a plurality of printing nozzles and being disposed adjacent each other such that a printing width of the printhead is wider than a printing width of either of the printhead modules, the printer controller being configured to order and time supply of the dot data to the printhead modules

in accordance with their respective widths, such that a difference in relative widths of the printhead modules is at least partially compensated for.

#### French Abstract:

L'invention concerne une unite de commande d'une imprimante permettant de fournir des donnees de points a une tete d'impression selon un ordre predetermine, la tete d'impression comprenant au moins des premier et second modules renfermant individuellement une pluralite de buses d'impression et etant disposes de facon adjacente l'un par rapport a l'autre, de maniere que la largeur d'impression de la tete d'impression soit plus large que la largeur d'impression d'un module quelconque de la tete d'impression. L' unite de commande est conque de maniere a ordonner et a fournir en fonction du temps des donnees de points aux modules de la tete d'impression selon leurs largeurs respectives, de maniere qu'une difference au niveau des largeurs relatives des modules de la tete d'impression soit au moins partiellement compensee.

#### Legal Status

Type	Pub. Date	Kind	Text
Publication	20040517	A1	With international search report.
Correction	20050512		Corrected version of Pamphlet:
Republication	20050512	A1	With international search report.

#### Claims:

...about 300mm), this translates roughly to 200-300 cycles per inch (cpi) on the printed **page**, or 400-600 samples per inch according to Nyquist's theorem. In practice, contone resolution...  
 ...A high end office or departmental printer may use a contone resolution of 320 ppi (1 600 dpi / 5) and a black text and graphics resolution of 1600 dpi. Both formats are capable of exceeding the quality of commercial (offset) printing and photographic **reproduction**.  
 Document Data Flow6.1 CONSIDERATIONSBecause of the **page**-width nature of the bi-lithic printhead, each **page** must be printed at a constant 5 speed to avoid creating visible artifacts. This means... is fully rasterized. This can be achieved by storing a compressed version of each rasterized **page** image in memory. This decoupling also allows the RIP(s) to run ahead of the printer when rasterizing simple **pages**, buying time to rasterize more complex pages. Because contone color images are reproduced by stochastic... quarter of an average page contains images. Table 1 shows data sizes for compressed Letter **page** for these different options. Table 1. Data sizes for A4 **page** (8.26 inches x 1 1.7 inches) 267 ppi contone 320 ppi contone 800... 2 DOCUMENT DATA FLOWThe Host PC rasterizes and compresses the incoming document on a **page** by **page** basis. The **page** is restructured into bands with one or more bands used to construct a **page**. The compressed data is then transferred to the SoPEC device via the USB link. A...pixels in X or Y, padding must be present (the extra pixel data will be ignored by the setting of margins). 8 2 3 Compressed formatf the contone data is... and up to 8 color channels at 1 0,000 lines/sec5, equating to 30 **pages** per minute. A single SoPEC can perform full-bleed printing of A3, A4 and Letter **pages**. The 6 channels of colored ink are the expected maximum in a consumer SOHO, or...so fast, a fixative may be required to enable the ink to dry before the **page** touches the **page** already printed. Otherwise the **pages** may bleed on each other. In low speed printing environments the fixative may not be... where X is an optional 4th channel, it also can accept contone data in any **print** color space. Additionally, SoPEC provides a mechanism for arbitrary mapping of input channels to output... subsystem was in sleep mode. 3) Basic configuration of CPU peripherals and DIU, and DRAM initialization, if required. 4) Download and authentication of program using results in Power-Safe Storage (PSS... authenticate operating parameters. 7) Download and authenticate using results in PSS of any further datasets (**programs**). 10 3 **Print initialization** This sequence is typically performed at the start of a **print job** following

powerup or wakeup: 1 ) Check amount of ink remaining via QA chips. 2) Download... ..pulse profile etc. accordingly. 4) Initiate printhead pre-heat sequence, if required.10 4 First **page** downloadBuffer management in a SoPEC system is normally performed by the host.First **page**, first band download and **processing**:I The host communicates to the SoPEC CPU over the USB to check that DRAM...sequence is typically performed at the start of a print job following powerup or wakeup: 1 ) Check amount of ink remaining via QA chips. 2) Download static data e.g. dither... ..pulse profile etc. accordingly. 4) Initiate printhead pre-heat sequence, if required.10 4 First **page** downloadBuffer management in a SoPEC system is normally performed by the host via the... ..sufficient to download the first band. 2) The host downloads the first band (with the **page** header) to DRAM via the ISI. 3) When the complete **page** header has been downloaded, process the page header, calculate PEP register commands and write directly... ..likely to be in conjunction with the host PC)Miscellaneous housekeeping tasksTo control the **Print Engine Pipeline** the CPU is required to provide a level of performance at least equivalent... ..as well as to provide the potential for such activity as Netpage page assembly and **processing**, RLPing etc. The extra performance required is dominated by the signature verification task and the... ..2 DEFINITIONS OF I/OsTable 14. CPU Subsystem [/OsPort name criptionClocks and Resetsprstn 1 lin -]Z@-lobal reset. Synchronous to pclk, active low.Pclk 1 lIn...being asserted in accordance with the CPU native bus protocol.CPU Subsystem Peripheral Registers (0x0001 - 1 000 to 0x0001FFFF): Each peripheral block willcontrol the access types allowed. Every peripheral... ..accesses as 0 outlined in the relevant chapters of this specification. Neither supervisor nor user **instruction** fetch accesses are allowed to any block as it is not possible to execute code... ..11 4 Reset exception vector and reference zero trapsWhen a reset occurs the LEON **processor** starts executing code from address 0x0000 A **common software** bug is zero-referencing or null pointer de-referencing (where the program attempts to access...SoPEC would need to initiate a USB remote wake-up.12 6 Implementation12 6.1 USBd Sub-block Partition Block diagram Definition of I/Os12 6.2 USB Device...

#### **Dialog eLink:** [Order File History](#)

23/5K/6 (Item 3 from file: 349)

DIALOG(R)File 349: PCT FULLTEXT

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01066614

#### **METHOD AND SYSTEM FOR MEDIA PROCEDE ET SYSTEME POUR CONTENU MULTIMEDIA**

#### **Patent Applicant/ Inventor:**

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100 Peach Terrace, Santa Cruz, CA 95060; US; US(Residence); US(Nationality)

#### **Legal Representative:**

- **GALLENSON Mavis S(et al)(agent)**  
Ladas & Parry, 5670 Wilshire Boulevard, Suite 2100, Los Angeles, CA 90036; US;



	Country	Number	Kind	Date
Patent	WO	200396340	A2	20031120
Application	WO	2003US14878		20030510
Priorities	US	2002379979		20020510
	US	2002378011		20020510
	US	2002218241		20020813
	US	2002235293		20020904
	US	2002304390		20021125
	US	2002325243		20021218
	US	2003364643		20030210
	US	2003451231		20030228
	US	2003430843		20030505
	US	2003430477		20030505

**Designated States:** (Protection type is "Patent" unless otherwise stated - for applications prior to 2004)

AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG,  
BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ,  
DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD,  
GE, GH, GM, HR, HU, ID, IL, IN, IS, JP,  
KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT,  
LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ,  
NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC,  
SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT,  
TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW

**[EP]** AT; BE; BG; CH; CY; CZ; DE; DK; EE; ES;  
FI; FR; GB; GR; HU; IE; IT; LU; MC; NL;  
PT; RO; SE; SI; SK; TR;

**[OA]** BF; BJ; CF; CG; CI; CM; GA; GN; GQ; GW;  
ML; MR; NE; SN; TD; TG;

**[AP]** GH; GM; KE; LS; MW; MZ; SD; SL; SZ; TZ;  
UG; ZM; ZW;

**[EA]** AM; AZ; BY; KG; KZ; MD; RU; TJ; TM;

**Main International Patent Classes (Version 7) :**

IPC	Level
G06F-001/00	Main

**Language** Publication Language: English

Filing Language: English

Fulltext word count: 222812

**English Abstract:**

**French Abstract:**

## Legal Status

Type	Pub. Date	Kind	Text
Publication	20031120	A2	Without international search report and to be republished upon receipt of that report.
Examination	20040129		Request for preliminary examination prior to end of 19th month from priority date
Declaration	20040304		Late publication under Article 17.2a
Republishing	20040304	A2	With declaration under Article 17(2)(a); without abstract; title not checked by the International Searching Authority.

## Detailed Description:

```
...songroot/$xlow $song
root/$ne-@r< LO,.Q
n";
mv $song
root/$xlow $songroot/$newxlow";
print -In -s $songroot/$newxlow $song-root/$xlow
n";
.In -s $song
root/$newxlow $song
root....case any child apps still running
../go";
give the slowpokes time to get with the program
print "sleeping
n";
sleep 10;
now remove old links.

if(defined($high) && defined($newhigh) && ($high ne... ..Xlow'
|
if ($defhigh && $defmid && $deflow && $defxlow){
print Ocp dir-list dir-list
old
n";
print -cp new@-dir-list dir-list
no;
cp dir list dir-list old";
.C
p...
```

## Dialog eLink: [Order File History](#)

23/5K/7 (Item 4 from file: 349)

DIALOG(R) File 349: PCT FULLTEXT

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00775310

**A SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR DETERMINING CAPABILITY LEVELS OF A RELEASE MANAGEMENT PROCESS AREA FOR PROCESS ASSESSMENT PURPOSES IN AN OPERATIONAL MATURITY INVESTIGATION**  
**SYSTEME, PROCEDE ET ARTICLE MANUFACTURE POUR DETERMINER LES NIVEAUX DE CAPACITE D'UNE ZONE DU PROCESSUS DE GESTION DE DIFFUSION A DES FINS D'EVALUATION DE PROCESSUS DANS UNE ETUDE DE MATURITE OPERATIONNELLE**

**Patent Applicant/ Patent Assignee:**

- **ACCENTURE LLP**  
 1661 Page Mill Road, Palo Alto, CA 94304; US; US(Residence); US(Nationality); (For all designated states except: US)

**Patent Applicant/ Inventor:**

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- **WINN Colleen R**  
 11472 Fairfield Road #103, Minnetonka, MN 55305; US; US(Residence); US(Nationality); (Designated only for: US)

**Legal Representative:**

- **HICKMAN Paul L(agent)**  
 Oppenheimer Wolff & Donnelly LLP, 1400 Page Mill Road, Palo Alto, CA 94304; US;

	Country	Number	Kind	Date
Patent	WO	200108074	A2	20010201
Application	WO	2000US20278		20000726
Priorities	US	99361335		19990726

**Designated States:** (Protection type is "Patent" unless otherwise stated - for applications prior to 2004)

AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW

[EP] AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LU; MC; NL; PT; SE;

[OA] BF; BJ; CF; CG; CI; CM; GA; GN; GW; ML;

MR; NE; SN; TD; TG;

[AP] GH; GM; KE; LS; MW; MZ; SD; SL; SZ; TZ;  
UG; ZW;

[EA] AM; AZ; BY; KG; KZ; MD; RU; TJ; TM;

**Main International Patent Classes (Version 7):**

IPC	Level
G06F-017/60	Main

**Language** Publication Language: English

Filing Language: English

Fulltext word count: 85690

**English Abstract:**

**French Abstract:**

L'invention concerne un systeme, un procede et un article manufacture permettant de determiner les niveaux de capacite d'une zone du processus de gestion de diffusion lors de l'evaluation de la maturite d'une organisation d'operations. En premier lieu, on definit une pluralite d'attributs de processus. On determine ensuite des pratiques generiques pour chacun de ces attributs. Ces pratiques comportent notamment des pratiques de base, par exemple: analyse de priorites de demandes de changement, confirmation d'une faisabilite technique d'un lot de diffusion, execution de l'analyse des exigences de diffusion, definition du contenu du lot de diffusion, planification d'essais de diffusion, documentation d'un calendrier de diffusion, confirmation avec les parties concernees, et/ou rapport sur l'etat d'avancement d'un plan de diffusion. On calcule alors une maturite d'une organisation d'operations sur la base, du moins en partie, de la realisation des pratiques generiques.

**Legal Status**

Type	Pub. Date	Kind	Text
Publication	20010201	A2	Without international search report and to be republished upon receipt of that report.
Correction	20010329		Corrections of entry in Section 1:
Republishation	20010329	A2	Without international search report and to be republished upon receipt of that report.
Correction	20010329		Corrections of entry in Section 1:
Examination	20010525		Request for preliminary examination prior to end of 19th month from priority date
Declaration	20020725		Late publication under Article 17.2a
Republishation	20020725	A2	With declaration under Article 17(2)(a); without abstract; title not checked by the International Searching Authority.

**Detailed Description:**

...involved this are.

Collate and pack forms

Label output parcels

Distribute parcels

References

MODE Q

MODE v1 Toolkit

**Process Area: Print Management**

**Level 1**

Assessment Indicators: Process Performance

Generic Practice: Ensure that Base practices are performed

Base Practice Example... ..Assessment

Indicators

at Client

2 1 Re-initialize Example of instructions on how to re-initialize.

printers

2 2 **Suspend** Printjobs can be **suspended**.

**print jobs**

2 3 **Restart print** Printjobs can be restarted.

jobs

2 4 Send job to Printjobs can be sent to... ..Redirect Printjobs can be redirected to another printer.

printing to another

printer

2 6 Batch **print** Schedule of batch **jobs**.

**jobs**

2 7 **Print** forms Forms printing takes place throughout the distributed network.

**Level 2**

Process Attribute Generic Practice Example of Assessment Indicator Assessment

Indicators

at Client

88

Performance GP2.1 Establish and Policy for **print** management exists

Management maintain a policy for and is followed. Print queues and

performing operational jobs...Indicators

Process Attribute Generic Practice Example of Assessment Indicator Assessment

Indicators

at Client

Continuous GP5.1: Continually **Print** management is continuously

Improvement improve tasks and improved via incremental changes,

processes an example: new... ..note that any job over 150 pages is

to be forwarded for batch

processing.

Process Change GP 5.1: Deploy "best Process improvement in 5.1

practices" across the example is validated via metrics... ..it out of its

suspended state?

Are there certain printers that are affected by suspended **print jobs** more so than others? If

yes,

why?

Base Practice: 2 3 Restart **print jobs**

Have there been any problems restarting a **print job**? If yes, what types of problems? 2.

When restarting a **print job**, is it always confirmed that the correct paper, tray, or ink is in

place?

Base Practice: 2 4 Send **job** to remote **printer**

1. Are reports forwarded to various printers within the distributed network for distribution purposes?

90... ..recipients on and off a distribution list?

Base Practice: 2 5 Redirect printing to another printer

1. Can **print** jobs be sent from **one print queue** to another without customer intervention? If so, how?

Who redirects the print job?

What...

**Dialog eLink:** Order File History

23/5K/8 (Item 5 from file: 349)

DIALOG(R) File 349: PCT FULLTEXT

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00775308

**A SYSTEM, METHOD AND COMPUTER PROGRAM FOR DETERMINING  
OPERATIONAL MATURITY OF AN ORGANIZATION**

SYSTEME, PROCEDE ET ARTICLE FABRIQUE PERMETTANT DE MESURER LA MATURITE  
OPERATIONNELLE D'UNE ORGANISATION D'OPERATIONS

**Patent Applicant/ Patent Assignee:**

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1661 Page Mill Road, Palo Alto, CA 94304; US; US(Residence); US(Nationality); (For  
all designated states except: US)

**Patent Applicant/ Inventor:**

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5529 Newton Avenue South, Minneapolis, MN 55410; US; US(Residence);  
US(Nationality); (Designated only for: US)
- **WINN Colleen R**  
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US(Nationality); (Designated only for: US)

**Legal Representative:**

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Oppenheimer Wolff & Donnelly LLP, 209 Century Park East, Suite 3800, Los Angeles,  
CA 90067-3024; US;

	Country	Number	Kind	Date
Patent	WO	200108038	A2-A3	20010201
Application	WO	2000US20399		20000726
Priorities	US	99361781		19990726

**Designated States:** (Protection type is "Patent" unless otherwise stated - for applications prior to 2004)

AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW

[EP] AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LU; MC; NL; PT; SE;

[OA] BF; BJ; CF; CG; CI; CM; GA; GN; GW; ML; MR; NE; SN; TD; TG;

[AP] GH; GM; KE; LS; MW; MZ; SD; SL; SZ; TZ; UG; ZW;

[EA] AM; AZ; BY; KG; KZ; MD; RU; TJ; TM;

#### Main International Patent Classes (Version 7):

IPC	Level
G06F-017/60	Main

**Language** Publication Language: English

Filing Language: English

Fulltext word count: 77349

#### English Abstract:

A system, method, and article of manufacture are provided for gauging a maturity of an IT operations organization. First, a plurality of process areas of an operations organization are defined in terms of either a goal or a purpose. These process areas are then categorized in terms of common characteristics. Next, process capabilities are determined for the process areas of the operations organization. Thereafter, capabilities are calculated for the specific process categories. A maturity of the operations organization is subsequently determined based on the capabilities of the categories.

#### French Abstract:

La presente invention concerne un systeme, un procede et un article fabrique permettant d'évaluer la maturité d'une organisation d'opérations de TI. Tout d'abord, on définit une pluralité de zones de processus d'une organisation d'opérations en termes d'objectif ou d'intention. On catégorise ensuite les zones de processus en termes de caractéristiques communes. On détermine ensuite les capacités de traitement des zones de processus de l'organisation d'opérations. On calcule les capacités correspondant aux catégories de

traitement spécifiques. Et on détermine enfin la maturité de l'organisation d'opérations sur la base des capacités des catégories.

#### Legal Status

Type	Pub. Date	Kind	Text
Publication	20010201	A2	Without international search report and to be republished upon receipt of that report.
Examination	20010823		Request for preliminary examination prior to end of 19th month from priority date
Correction	20011011		Corrections of entry in Section 1:
Republishing	20011011	A2	Without international search report and to be republished upon receipt of that report.
Correction	20011011		Corrections of entry in Section 1:
Search Rpt	20020711		Late publication of international search report
Republishing	20020711	A3	With international search report.

#### Detailed Description:

...Indicators

Process Attribute Generic Practice Example of Assessment Indicator Assessment

Indicators

at Client

Continuous GP5.1: Continually **Print** management is continuously Improvement improve tasks and improved via incremental changes, processes an example: new ... ..note that anyjob over 150 pages is to beforwardedfor batch processing,

Process Change GP 5.1: Deploy "best Process improvement in 5.1 practices" across the example is validated via metrics others? If yes, why?

Base Practice: 2 3 Restart **print jobs**

Have there been any problems restarting a **print job**? If yes, what types of problems? 2. When restarting a print job, is it always confirmed that the correct paper, tray, or ink is in place?

Base Practice: 2 4 Send **job** to remote **printer**

1. Are reports forwarded to various printers within the distributed network for distribution purposes?

2. Do you use distribution lists to control sending remote **print jobs**? Is there a contact person who can place recipients on and off a distribution list?

Base Practice: 2 5 Redirect printing to another printer

1. Can **print jobs** be sent from **one print queue** to another without customer intervention? If so, how?

Who redirects the print job?

What... ..e.g. off-line, out of paper, powered off, busy)?

Base Practice: 2 6 Batch **print jobs**

1. Are customers made aware of the batch print feature? How?

91

. What is the typical...



**Dialog eLink:** [Order File History](#)

23/5K/9 (Item 6 from file: 349)

DIALOG(R) File 349: PCT FULLTEXT

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00775307

**A SYSTEM, METHOD AND COMPUTER PROGRAM FOR DETERMINING CAPABILITY LEVELS OF PROCESSES TO EVALUATE OPERATIONAL MATURITY OF AN ORGANIZATION**

SYSTEME, PROCEDE ET ARTICLE DE FABRICATION DESTINES A DETERMINER DES NIVEAUX DE CAPACITE D'OPERATIONS POUR DES BESOINS D'EVALUATION D'OPERATION DANS UNE RECHERCHE DE MATURITE OPERATIONNELLE

**Patent Applicant/ Patent Assignee:**

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1661 Page Mill Road, Palo Alto, CA 94304; US; US(Residence); US(Nationality); (For all designated states except: US)

**Patent Applicant/ Inventor:**

- **GREENBERG Nancy S**  
5529 Newton Avenue South, Minneapolis, MN 55410; US; US(Residence); US(Nationality); (Designated only for: US)
- **WINN Colleen R**  
11472 Fairfield Road #103, Minnetonka, MN 55305; US; US(Residence); US(Nationality); (Designated only for: US)

**Legal Representative:**

- **HICKMAN Paul L(agent)**  
Oppenheimer Wolff & Donnelly, LLP, 38th Floor, 2029 Century Park East, Los Angeles, CA 90067-3024; US;

	Country	Number	Kind	Date
Patent	WO	200108037	A2-A3	20010201
Application	WO	2000US20353		20000726
Priorities	US	99361338		19990726

**Designated States:** (Protection type is "Patent" unless otherwise stated - for applications prior to 2004)

AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY,  
CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI,

GB, GE, GH, GM, HR, HU, ID, IL, IS, JP,  
KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT,  
LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ,  
PL, PT, RO, RU, SD, SE, SG, SI, SK, SL,  
TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU,  
ZW

[EP] AT; BE; CH; CY; DE; DK; ES; FI; FR; GB;  
GR; IE; IT; LU; MC; NL; PT; SE;

[OA] BF; BJ; CF; CG; CI; CM; GA; GN; GW; ML;  
MR; NE; SN; TD; TG;

[AP] GH; GM; KE; LS; MW; MZ; SD; SL; SZ; TZ;  
UG; ZW;

[EA] AM; AZ; BY; KG; KZ; MD; RU; TJ; TM;

# **Main International Patent Classes (Version 7) :**

IPC	Level
G06F-017/60	Main

**Language** Publication Language: English

Filing Language: English

Fulltext word count: 86229

## **English Abstract:**

A system, method, and article of manufacture are provided for determining capability levels of a process area in an operational maturity investigation. A plurality of process attributes are first defined along with a plurality of generic practices for each of the process attributes. Also defined are a plurality of capability levels in terms of groups of the process attributes. Each of the process attributes are then rated based on achievement of the corresponding generic practices. It is then determined which of the capability levels is achieved by a process area. Such determination is based on the rating of the process attributes of the capability levels. Thereafter, the capability level is outputted for gauging a maturity of an operations organization.

## **French Abstract:**

La presente invention concerne un systeme, un procede et un article de fabrication destines a determiner des niveaux de capacite d'une zone d'operations dans une recherche de maturite operationnelle. Plusieurs attributs d'operation sont d'abord definis en meme temps que plusieurs pratiques generales pour chacun des attributs d'operation. Plusieurs niveaux de capacite sont aussi definis en termes de groupes des attributs d'operation. Chaque attribut d'operation est alors classe d'apres la realisation de chaque pratique generale correspondante. On determine alors quels sont les niveaux de capacite atteints dans une zone d'operations. Une telle determination est basee sur la classement des attributs d'operation des niveaux de capacite. Apres quoi, le niveau de capacite est etabli afin d'effectuer une mesure de la maturite d'une organisation d'operations.

## **Legal Status**

Type	Pub. Date	Kind	Text
------	--------------	------	------

Type	Pub. Date	Kind	Text
Publication	20010201	A2	Without international search report and to be republished upon receipt of that report.
Examination	20010705		Request for preliminary examination prior to end of 19th month from priority date
Search Rpt	20020711		Late publication of international search report
Republishation	20020711	A3	With international search report.

#### Detailed Description:

...Collate and packforms

Label output parcels

Distribute parcels

References

MODE Q

MODE v I Toolkit

**Process Area: Print Management**

Level 1

Assessment Indicators.- Process Performance

Generic Practice: Ensure that Base practices are performed

Base Practice Example... ..Assessment

Indicators

at Client

88

Re-initialize Example of instructions on how to re-initialize.

printers

2 2 **Suspend** Printjobs can be **suspended**.

**print jobs**

2 3 **Restart print** Printjobs can be restarted.

jobs

2 4 Send job to Printjobs can be sent to... ..Redirect Printjobs can be redirected to another printer.

printing to another

printer

2 6 Batch **print** Schedule of batch **jobs**.

**jobs**

2 7 **Print** forms Forms printing takes place throughout the distributed network.

71

Level2

Process Attribute Generic Practice Example of Assessment Indicator Assessment

Indicators

at Client

Performance GP2.1 Establish and Policyfor **print** management exists

Management maintain a policy for and isfollowed. Print queues and

performing operational jobs... Indicators

Process Attribute Generic Practice Example of Assessment Indicator Assessment

Indicators

at Client

Continuous GP5.1: Continually **Print** management is continuously  
Improvement improve tasks and improved via incremental changes,

processes an example: new ... ..note that any job over 150 pages is  
to be forwarded for batch  
processing.

Process Change GP 5.1: Deploy "best Process improvement in 5.1  
practices" across the example is validated via metrics... ..it out of its  
suspended state?

Are there certain printers that are affected by suspended **print jobs** more so than others? If  
yes,  
why?

Base Practice: 2 3 Restart **print jobs**

Have there been any problems restarting a **print job**? If yes, what types of problems? 2.

When restarting a **print job**, is it always confirmed that the correct paper, tray, or ink is in  
place?

Base Practice: 2 4 Send **job** to remote **printer**

1. Are reports forwarded to various printers within the distributed network for distribution  
purposes?

2... ..on and off a distribution list?

Base Practice: 2 5 Redirect printing to another printer

1. Can **print jobs** be sent from **one print queue** to another without customer intervention? If  
so, how?

Who redirects the print job?

What...

#### **Dialog eLink: Order File History**

23/5K/10 (Item 7 from file: 349)

DIALOG(R) File 349: PCT FULLTEXT

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00775305

#### **A SYSTEM, METHOD AND COMPUTER PROGRAM FOR DETERMINING CAPABILITY LEVEL OF PROCESSES TO EVALUATE OPERATIONAL MATURITY IN AN ADMINISTRATION PROCESS AREA**

SYSTEME, PROCEDURE ET ARTICLE MANUFACTURE DE VERIFICATION D'UN PROCESSUS A  
MATURITE OPERATIONNELLE PAR DETERMINATION DU NIVEAU D'APTITUDE DANS UN  
DOMAINE DE PROCESSUS TRAITEMENT D'ADMINISTRATION UTILISATEUR

#### **Patent Applicant/ Patent Assignee:**

- **ACCENTURE LLP**

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all designated states except: US)

#### **Patent Applicant/ Inventor:**

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US(Nationality); (Designated only for: US)

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US(Nationality); (Designated only for: US)

**Legal Representative:**

- **HICKMAN Paul L(agent)**  
Oppenheimer Wolff & Donnelly, LLP, 1400 Page Mill Road, Palo Alto, CA 94304; US;

	Country	Number	Kind	Date
Patent	WO	200108035	A2-A3	20010201
Application	WO	2000US20238		20000726
Priorities	US	99360928		19990726

**Designated States:** (Protection type is "Patent" unless otherwise stated - for applications prior to 2004)

AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG,  
BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE,  
DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH,  
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG,  
KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV,  
MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ,  
PL, PT, RO, RU, SD, SE, SG, SI, SK, SL,  
TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN,  
YU, ZA, ZW

[EP] AT; BE; CH; CY; DE; DK; ES; FI; FR; GB;  
GR; IE; IT; LU; MC; NL; PT; SE;

[OA] BF; BJ; CF; CG; CI; CM; GA; GN; GW; ML;  
MR; NE; SN; TD; TG;

[AP] GH; GM; KE; LS; MW; MZ; SD; SL; SZ; TZ;  
UG; ZW;

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**Main International Patent Classes (Version 7) :**

IPC	Level
G06F-017/60	Main

**Language** Publication Language: English

Filing Language: English

Fulltext word count: 86405

**English Abstract:**

A system, method, and article of manufacture consistent with the principles of the present invention are provided for determining capability levels of a user administration process area when gauging a maturity of an operations organization. First, a plurality of process attributes

are defined. Next, a plurality of generic practices are determined for each of the process attributes. The generic practices include base practices such as receiving information from human resources regarding employee events, adding users to a plurality of systems, changing user information on each of the systems, deleting user information on each of the systems, and/or notifying parties periodically of a user administration status. Thereafter, a maturity of an operations organization is determined based at least in part on the achievement of the generic practices.

#### French Abstract:

La presente invention concerne un systeme, un procede et un article manufacture en coherence avec les principes de l'invention permettant de determiner des niveaux d'aptitude d'un domaine de processus d'administration de l'utilisateur lorsqu'on juge une maturite d'une organisation operationnelle. On commence par definir une pluralite d'attributs de processus. Puis on determine pour chaque attribut du processus une pluralite de pratiques generiques. De telles pratiques generiques sont essentiellement des pratiques de base telles que la reception d'information en provenance de ressources humaines concernant des evenements se rapportant au personnel, l'adjonction d'utilisateur a une pluralite de systemes, la modification d'informations utilisateur sur chacun des systemes, la suppression d'informations utilisateur de chacun des systemes, et/ou la notification periodique aux participants d'etats d'avancement de processus d'administration utilisateur. On determine ensuite une maturite d'une organisation operationnelle, partiellement sur la base de l'accomplissement des pratiques generiques.

#### Legal Status

Type	Pub. Date	Kind	Text
Publication	20010201	A2	Without international search report and to be republished upon receipt of that report.
Examination	20010614		Request for preliminary examination prior to end of 19th month from priority date
Search Rpt	20020711		Late publication of international search report
Republishing	20020711	A3	With international search report.

#### Detailed Description:

...are.

Collate and pack forms

Label output parcels

Distribute parcels

References

MODE Q

MODE v I Toolkit

**Process Area: Print Management**

Level 1

Assessment Indicators: **Process** Performance

Generic Practice: Ensure that Base practices are performed

Base Practice Example of Assessment Indicator Assessment

Indicators

at Client

2 1 Re-initialize Example of instructions on how to re-initialize.

printers

2 2 **Suspend** Print jobs can be **suspended**.

printjobs

2 3 **Restart** print Printjobs can be restarted.

jobs

2 4 Send job to Printjobs can be sent... ...5 Redirect Printjobs can be redirected to another printer.

printing to another

printer

2 6 Batch **print** Schedule of batch **jobs**.

**jobs**

2 7 **Print** forms Forms printing takes place throughout the distributed network

Level2

Process Attribute Generic Practice Example of Assessment Indicator Assessment Indicators

at Client

Performance GP2.1 Establish and Policy for **print** management exists

9-7

Management maintain a policy for and is followed. Print queues and performing...Indicators

Process Attribute Generic Practice Example of Assessment Indicator Assessment Indicators

at Client

Continuous GP5.1: Continually **Print** management is continuously

Improvement improve tasks and improved via incremental changes,

processes an example: newpolicy... ...note that any job over 150 pages is

to be forwarded for batch

processing.

Process Change GP 5.1: Deploy "best Process improvement in 5.1

practices" across the example is validated via metrics... ...on the physical printer itself)?

Base Practice: 2 2 Suspend print jobs

How often are **print jobs** placed on hold due to paper change or letterhead stock requirements? How long is a... ...it out of its

suspended state?

Are there certain printers that are affected by suspended **print jobs** more so than others? If

yes,

why?

Base Practice: 2 3 Restart **print jobs**

Have there been any problems restarting a **print job**? If yes, what types of problems? 2.

When restarting a **print job**, is it always confirmed that the correct paper, tray, or ink is in place?

Base Practice: 2 4 Send **job** to remote **printer**

1. Are reports forwarded to various printers within the distributed network for distribution purposes?

2... ...Practice: 2 5 Redirect printing to another printer

91

. Can print jobs be sent from **one print** queue to another without customer intervention? If so, how?

Who redirects the print job?

What...

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DIALOG(R) File 349: PCT FULLTEXT

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00775300

**A SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR DETERMINING CAPABILITY LEVELS OF A MONITORING PROCESS AREA FOR PROCESS ASSESSMENT PURPOSES IN AN OPERATIONAL MATURITY INVESTIGATION**  
**SYSTEME, PROCEDE ET ARTICLE MANUFACTURE POUR DETERMINER LES NIVEAUX DE CAPACITE D'UNE ZONE DE PROCESSUS DE SURVEILLANCE A DES FINS D'EVALUATION DE PROCESSUS DANS UNE ETUDE DE MATURITE OPERATIONNELLE**

**Patent Applicant/ Patent Assignee:**

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**Patent Applicant/ Inventor:**

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**Legal Representative:**

- **HICKMAN Paul L(et al)(agent)**  
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	Country	Number	Kind	Date
Patent	WO	200108004	A2	20010201
Application	WO	2000US20280		20000726
Priorities	US	99361622		19990726

**Designated States:** (Protection type is "Patent" unless otherwise stated - for applications prior to 2004)

AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY,  
CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI,  
GB, GE, GH, GM, HR, HU, ID, IL, IS, JP,  
KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT,  
LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ,



PL, PT, RO, RU, SD, SE, SG, SI, SK, SL,  
TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU,  
ZW

[EP] AT; BE; CH; CY; DE; DK; ES; FI; FR; GB;  
GR; IE; IT; LU; MC; NL; PT; SE;

[OA] BF; BJ; CF; CG; CI; CM; GA; GN; GW; ML;  
MR; NE; SN; TD; TG;

[AP] GH; GM; KE; LS; MW; MZ; SD; SL; SZ; TZ;  
UG; ZW;

[EA] AM; AZ; BY; KG; KZ; MD; RU; TJ; TM;

**Main International Patent Classes (Version 7) :**

IPC	Level
G06F-017/60	Main

Language Publication Language: English

Filing Language: English

Fulltext word count: 77527

**English Abstract:**

**French Abstract:**

L'invention concerne un systeme, un procede et un article manufacture qui permettent de determiner les niveaux de capacite d'une zone de processus de surveillance lors de l'evaluation de la maturite d'une organisation d'operations. En premier lieu, on definit une pluralite d'attributs de processus. Pour chacun de ces attributs, on determine une pluralite de pratiques generiques. Ces pratiques generiques comportent notamment des pratiques de base, par exemple: verification d'un etat courant, collecte et documentation d'informations de surveillance, classification d'evenements, attribution de degres de gravite, evaluation d'impact, analyse de fautes, acheminement de fautes a corriger, mise en correspondance de types d'evenements par rapport a un diagnostic predefini et/ou des procedures correctives, enregistrement des evenements localement et/ou a distance, suppression de messages jusqu'a ce que des seuils soient atteints, affichage des informations d'etat sur au moins une console en plusieurs formats et a plusieurs emplacements, emission d'ordres sur des processeurs a distance, installation et changement de filtres locaux et/ou a distance, installation et changement de programmes de seuils locaux et/ou a distance, analyse du courant de trafic et envoi de messages radiodiffuses. On calcule alors une maturite d'une organisation d'operations sur la base, du moins en partie, de la realisation des pratiques generiques..

**Legal Status**

Type	Pub. Date	Kind	Text
Publication	20010201	A2	Without international search report and to be republished upon receipt of that report.
Examination	20011011		Request for preliminary examination prior to end of 19th month from priority date

Type	Pub. Date	Kind	Text
Declaration	20011122		Late publication under Article 17.2a
Republishing	20011122	A2	With declaration under Article 17(2)(a); without abstract; title not checked by the International Searching Authority.

#### Detailed Description:

...Collate and packforms

Label output parcels

Distribute parcels

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MODE v I Toolkit

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Level2

Process Attribute Generic Practice Example of Assessment Indicator Assessment

Indicators

at Client

Performance GP2.1 Establish and Policyfor **print** management exists

87

Management maintain a policy for and isfollowed, Print queues and performing operational...Indicators

Process Attribute Generic Practice Example of Assessment Indicator Assessment

Indicators

at Client

Continuous GP5.1: Continually **Print** management is continuously Improvement improve tasks and improved via incremental changes, processes an example: newpolicy changes

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Base Practice: 2 3 Restart **print jobs**

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When restarting a **print job**, is it always confirmed that the correct paper, tray, or ink is in place?

Base Practice: 2 4 Send **job** to remote **printer**

1. Are reports forwarded to various printers within the distributed network for distribution purposes?

2.... ..Practice: 2 5 Redirect printing to another printer

89

. Can print jobs be sent from **one print** queue to another without customer intervention? If so, how?

Who redirects the print job?

What...

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00171840

**ASSAYOMATE**

AUTOMATE POUR ANALYSES

**Patent Applicant/ Patent Assignee:**

- **APPLIED BIOSYSTEMS INC**

**Inventor(s):**

- **MICHEL Bruno**

	Country	Number	Kind	Date
Patent	WO	9005293	A1	19900517
Application	WO	89US4981		19891107
Priorities	US	8851		19881108

**Designated States:** (Protection type is "Patent" unless otherwise stated - for applications

prior to 2004)  
AT, AU, BE, CH, DE, FR, GB, IT, JP, LU,  
NL, SE

**Main International Patent Classes (Version 7) :**

IPC	Level
G01N-021/05	Main
G01N-35:00	

**Language** Publication Language: English

**Filing Language:**

**Fulltext word count:** 161422

**English Abstract:**

An automated apparatus for monitoring chemical reaction assays which includes a supply system (15, 17) for providing accurately metered solutions of reactants to a mixing chamber (19). The mixing chamber (19) is connected to a reaction chamber (21) wherein a substantial portion of the reaction between the reactants occur. A physical parameter, which is a function of the concentration of at least one of the reactants and reaction products, is measured in reaction chamber (21). A computer (35 and 39) is used to automatically control the supply system, mixing chamber and reaction chamber and to analyze the data obtained from the reaction chamber (21) to determine kinetic constants and other parameters associated with the assay.

**French Abstract:**

Dispositif automatisé pour le contrôle d'analyses par réaction chimique, comprenant un système d'alimentation (15, 17) introduisant des solutions de réactifs dosées avec précision dans une chambre de mélange (19). La chambre de mélange (19) est reliée à une chambre de réaction (21) dans laquelle se produit une partie considérable de la réaction entre les réactifs. Un paramètre physique, qui est une fonction de la concentration d'au moins un des réactifs et des produits de réaction, est mesuré dans la chambre de réaction (21). Un ordinateur (35 et 39) est utilisé pour commander automatiquement le système d'alimentation, la chambre de mélange et la chambre de réaction et pour analyser les données provenant de la chambre de réaction (21) afin de déterminer les constantes cinétiques et d'autres paramètres associés à l'analyse.

**Detailed Description:**

...quickly, accurately, and efficiently, as has been described above. This is, however, not the only **application** of importance. The apparatus as described may be employed as well for screening operations. For... ..the substrates. Many similar screening investigations may be arranged and performed with the apparatus and **software**, such as the effects of a plurality of **inhibitors** or accelerators on particular reactions.

By use of the manual mode, driving each of the... ..in Appendix A, and also by tailoring software to drive the apparatus through the same **functions** via the communications bus, a truly broad range of experimental and analytical procedures may be accomplished. Screening **operations** can be performed, simple kinetic constants can be determined, inhibitors, activators and accelerators can be... ..example,

if line 169 (Fig. 5) extends to a reservoir containing a stock enzyme solution, **one** might draw from the enzyme reservoir with valve 151 activated and valve 167 deactivated, to...3 and 4 activates the buffer, the enzyme, and the substrate syringe, respectively.

\* SYRGO This **command** activates the syringe control menu if it is not already activated.

+ SAMPC This command activates... ..the detector control menu if it is not already activated.

MICHKIN This command starts or **restarts** the kinetic software, if the kinetic software is started for the first time after power... ..Result ..... 63  
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**Dialog eLink:** Order File History  
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DIALOG(R)File 349: PCT FULLTEXT  
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00164699

**STEREOLITHOGRAPHIC BEAM PROFILING**  
**PROFILAGE DE FAISCEAU STEREOLITHOGRAPHIQUE**

**Patent Applicant/ Patent Assignee:**

- 3D SYSTEMS INC

**Inventor(s):**

- SPENCE Stuart Thomas
- TARNOFF Harry
- ALMQUIST Thomas

	Country	Number	Kind	Date
Patent	WO	8911085	A1	19891116
Application	WO	89US1559		19890417
Priorities	US	88830		19880418
	US	88816		19881108
	US	88837		19881108
	US	88907		19881108
	US	88801		19881108

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JP, KR

**Main International Patent Classes (Version 7) :**

IPC	Level
G01J-001/00	Main
G01B-11:14	
B32B-01:10	

**Language** Publication Language: English

Filing Language:

Fulltext word count: 292227

**English Abstract:**

An apparatus and a method for profiling the intensity of a beam and thus measuring the overall intensity and power of a beam are disclosed that have particular use in stereolithography. A beam sensor (35) comprising a pinhole (45) in a plate (40) and a photodetector (55) behind the pinhole measures the intensity of portions of a beam (50) as the beam is moved over the beam sensor. Software associated mechanism for the beam so that the beam is shifted to find the pinhole and move across it in order to develop the intensity profile. The invention can be used to detect drift in the scanning mechanism, determine the focus of the beam, and predict the depth and width of photopolymer cured by the beam. A related apparatus and method for calibrating and normalizing a stereolithographic apparatus is described, and a related apparatus and method for correcting for drift in production of objects by stereolithography, is also described.

**French Abstract:**

On a mis au point un appareil et un procede permettant de profiler l'intensite d'un faisceau et ainsi de mesurer l'intensite et la puissance globales d'un faisceau, lesquels ont une utilisation particuliere en stereolithographie. Un capteur (35) de faisceau comprenant un trou d'epingle (45) situe dans une plaque (40) ainsi qu'un photodetecteur (55) situe derriere le trou d'epingle, mesure l'intensite de parties d'un faisceau (50) a mesure que l'on deplace le faisceau sur le capteur de faisceau. Le logiciel associe aux capteurs se trouvant dans un ordinateur, commande le mecanisme de balayage du faisceau de sorte que ledit faisceau est decale pour trouver le trou d'aiguille et se deplace au-dessus de ce dernier afin de mettre au point le profile d'intensite. On peut utiliser l'invention pour detecter la derive dans le mecanisme de balayage, determiner la focalisation du faisceau, et predire la profondeur et la largeur de photopolymere durci par le faisceau. On a mis au point un appareil et un procede

permettant de calibrer et de normaliser un appareil stereolithographique, ainsi qu'un appareil et un procede permettant de corriger la derive dans la production d'objets par stereolithographie.

**Detailed Description:**

...you have any recommendations for improving the procedures, please let us know by sending a **copy** of the marked-up **page(s)** to.

Attn: Chick Lewis  
3D Systems Inc.

12847 Arroyo St.

Sylmar, California 91342